# *BRUHAT BANGALORE MAHANAGARA PALIKE*

## *YELAHANKA ZONE*

### *DIVISION: BYATARAYANAPURA*

### *SUB DIVISION: VIDYARANYAPURA*

***Name of Work:*** *Estimate for Development of Park and Chain Link Fencing at Singapura Parasie in Ward No. 11 Vidyaranyapura, Vidyaranyapura Sub Division.*

***Estimated Cost: Rs. 10.00 Lakhs***

# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

**Name of work:** Estimate for Development of Park and Chain Link Fencing at Singapura Parasie in Ward No. 11 Vidyaranyapura, Vidyaranyapura Sub Division.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Estimate Cost Rs. | | 1000000.00 |
| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
| 1 | KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **No. 5/ Item No. 2.1/ PWD SR 2013-14** | Cum | | | | | | | |
| | | | 1 | 35.00 | 20.00 | 0.30 | 210.00 | | |
| | | | | | | | **210.00** | 126.36 | **26536.00** |
| | Basic Rate | 117.00 | | | | | | | |
| | Area Weightage @ 8% | 9.36 | | | | | | | |
| | **Total** | **126.36** | | | | | | | |
| 2 | KSRRB 300-1. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2/ PWD SR 2013-14** | cum | | | | | | | |
| | For Chain Link Fencing Foundation | | 2 | 35.00 | 0.75 | 0.60 | 31.50 | | |
| | | | 2 | 20.00 | 0.75 | 0.60 | 18.00 | | |
| | | | | | | | **49.50** | 90.72 | **4491.00** |
| | Basic Rate | 84.00 | | | | | | | |
| | Area Weightage @ 8% | 6.72 | | | | | | | |
| | **Total** | **90.72** | | | | | | | |
| 3 | KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2013-14** | Cum | | | | | | | |
| | For Chain Link Fencing | | 2 | 35.00 | 0.75 | 0.15 | 7.88 | | |
| | | | 2 | 20.00 | 0.75 | 0.15 | 4.50 | | |
| | | | | | | | **12.38** | 4290.84 | **53099.00** |
| | Basic Rate | 3973.00 | | | | | | | |
| | Area Weightage @ 8% | 317.84 | | | | | | | |
| | **Total** | **4290.84** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 4 | KSRB 5.2-4 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (P.25/I.5.6)** | Cum | | | | | | | |
| | | | 2 | 35.00 | 0.75 | 0.45 | 23.63 | | |
| | | | 2 | 20.00 | 0.75 | 0.45 | 13.50 | | |
| | | | | | | | **37.13** | 3549.96 | **131792.00** |
| | Basic Rate | 3287.00 | | | | | | | |
| | Area Weightage @ 8% | 262.96 | | | | | | | |
| | Total | **3549.96** | | | | | | | |
| 5 | KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26/ Item No. 5.9/ PWD SR 2013-14** | Cum | | | | | | | |
| | | | 2 | 35.00 | 0.45 | 0.45 | 14.18 | | |
| | | | 2 | 20.00 | 0.45 | 0.45 | 8.10 | | |
| | | | | | | | **22.28** | 4227.12 | **94159.00** |
| | Basic Rate | 3914.00 | | | | | | | |
| | Area Weightage @ 8% | 313.12 | | | | | | | |
| | Total | **4227.12** | | | | | | | |
| 6 | KSRB 4-1.7 : Providing and laying in position **plain cement concrete of mix M10 with OPC cement @ 220 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 13 / Item No. 4.7 / PWD SR 2013-14** | Cum | | | | | | | |
| | | | 2 | 35.00 | 0.45 | 0.10 | 3.15 | | |
| | | | 2 | 20.00 | 0.45 | 0.10 | 1.80 | | |
| | | | | | | | **4.95** | 4737.96 | **23453.00** |
| | Basic Rate | 4387.00 | | | | | | | |
| | Area Weightage @ 8% | 350.96 | | | | | | | |
| | Total | **4737.96** | | | | | | | |
| 7 | KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 122 / Item No. 15.1 / PWD SR 2013-14** | Sqm | | | | | | | |
| | | | 2x2 | 35.00 | | 0.45 | 63.00 | | |
| | | | 2x2 | 20.00 | | 0.45 | 36.00 | | |
| | | | | | | | **99.00** | 79.92 | **7912.00** |
| | Basic Rate | 74.00 | | | | | | | |
| | Area Weightage @ 8% | 5.92 | | | | | | | |
| | **Total** | **79.92** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 8 | KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 159 / Item No. 19.60 / PWD SR 2013-** | Cum | | | | | | | |
| | For Leveling the Park | | 1 | 35.00 | 20.00 | 0.20 | 140.00 | | |
| | | | | | | | **140.00** | 166.32 | **23285.00** |
| | Basic Rate | 154.00 | | | | | | | |
| | Area Weightage @ 8% | 12.32 | | | | | | | |
| | Total | **166.32** | | | | | | | |
| 9 | Supplying and fixing M.S Rectangular poles made out of 2 equal angles of 65x65x6 mm welded to gether and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete) **PWD SR 2013-14 (P. 270 / I. 37.2)** | m | | | | | | | |
| | | | 15 | 2.10 | | | 31.50 | | |
| | | | 15 | 2.10 | | | 31.50 | | |
| | | | 8 | 2.10 | | | 16.80 | | |
| | | | 8 | 2.10 | | | 16.80 | | |
| | | | | | | | **96.60** | 1098.36 | **106102.00** |
| | Basic Rate | 1017.00 | | | | | | | |
| | Area Weightage @ 8% | 81.36 | | | | | | | |
| | **Total** | **1098.36** | | | | | | | |
| 10 | Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials, wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc. complete including two coats of approved quality paint over one coat of shop paint **PWD SR 2013-14** | m | | | | | | | |
| | | | 3x2 | 35.00 | | | 210.00 | | |
| | | | 3x2 | 20.00 | | | 120.00 | | |
| | | | | | | | **330.00** | 299.16 | **98723.00** |
| | Basic Rate | 277.00 | | | | | | | |
| | Area Weightage @ 8% | 22.16 | | | | | | | |
| | **Total** | **299.16** | | | | | | | |
| 11 | Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at to and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop | Sqm | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 35.00 | | 1.50 | 105.00 | | |
| | | | 2 | 20.00 | | 1.50 | 60.00 | | |
| | | | | | | | **165.00** | 656.64 | **108346.00** |
| | | | | | | | | | |
| | Basic Rate | 608.00 | | | | | | | |
| | Area Weightage @ 8% | 48.64 | | | | | | | |
| | **Total** | **656.64** | | | | | | | |
| 12 | KSRRB M1200-9: Sand filling in foundation trenches as per drawing & technical specification MORTH specification No. 304, **No. 225/ Item No. 27.17 PWD SR 2013-14** | Cum | | | | | | | |
| | | | 2 | 31.00 | 2.00 | 0.05 | 6.20 | | |
| | | | 2 | 16.00 | 2.00 | 0.05 | 3.20 | | |
| | | | | | | | **9.40** | 2098.44 | **19725.00** |
| | Basic Rate | 1943.00 | | | | | | | |
| | Area Weightage @ 8% | 155.44 | | | | | | | |
| | Total | **2098.44** | | | | | | | |
| 13 | KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. **Page No.110 / Item No. 14.6 /** | Sqm | | | | | | | |
| | | | 2 | 31.00 | 2.00 | | 124.00 | | |
| | | | 2 | 16.00 | 2.00 | | 64.00 | | |
| | | | | | | | **188.00** | 848.88 | **159589.00** |
| | Basic Rate | 786.00 | | | | | | | |
| | Area Weightage @ 8% | 62.88 | | | | | | | |
| | Total | **848.88** | | | | | | | |
| 14 | Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 28 / Item No. 5.30 / PWD SR 2013-14** | Nos | | | | | | | |
| | Inside Park 2 | | 4 | 31.00 | = | 124 | 276 | | |
| | | | | | | 0.45 | | | |
| | | | 4 | 16.00 | = | 64 | 142 | | |
| | | | | | | 0.45 | | | |
| | | | | | | | **418** | 262.88 | **109825.00** |
| | Basic Rate | 248.00 | | | | | | | |
| | Area Weightage @ 8% | 14.88 | | | | | | | |
| | Total | **262.88** | | | | | | | |
| 15 | KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. **Page No. 128 / Item No. 15.59 / PWD SR 2013-14** | Sqm | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Park 2 | | 2 | 31.00 | | 0.35 | 21.70 | | |
| | | | 2 | 16.00 | | 0.35 | 11.20 | | |
| | | | | | | | **32.90** | 30.78 | **1013.00** |
| | Basic Rate | 28.50 | | | | | | | |
| | Area Weightage @ 8% | 2.28 | | | | | | | |
| | Total | **30.78** | | | | | | | |
| 16 | KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. **Page No. 128 / Item No. 15.60 / PWD SR 2013-14** | Sqm | | | | | | | |
| | | | Qty Vide Item No. 15 | | | | 32.90 | | |
| | | | | | | | **32.90** | 79.92 | **2629.00** |
| | Basic Rate | 74.00 | | | | | | | |
| | Area Weightage @ 8% | 5.92 | | | | | | | |
| | Total | **79.92** | | | | | | | |
| 17 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123) | Cum | | | | | | | |
| | | | Vide Item No. 1+2 | | | | **259.50** | 72.36 | **18777.00** |
| | Average weight of earth 1.28 tonne / kg for 2X1.20X2.00=12.00 | 4.80 | | | | | | | |
| | Add loading and unloading Vide item no.17.1 P.no.141 | 62.20 | | | | | | | |
| | | **67.00** | | | | | | | |
| | Area Weightage @ 8% | 5.36 | | | | | | | |
| | **Total** | **72.36** | | | | | | | |
| 18 | For Third Part QC Inspection Charges @ 1% of Estimate Cost | | | | | | | | **10000.00** |
| 19 | Miscesallaneous Charges | L/S | | | | | | | **544.00** |
| | | | | | | | | Total | **1000000.00** |

**(Rupees Ten Lakhs Only)**

**CERTIFICATE :**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PWD 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

ADMINISTRATIVELY SANCTIONED FOR Rs 10.00 lakhs
Rupees Ten lakhs only
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division
Under

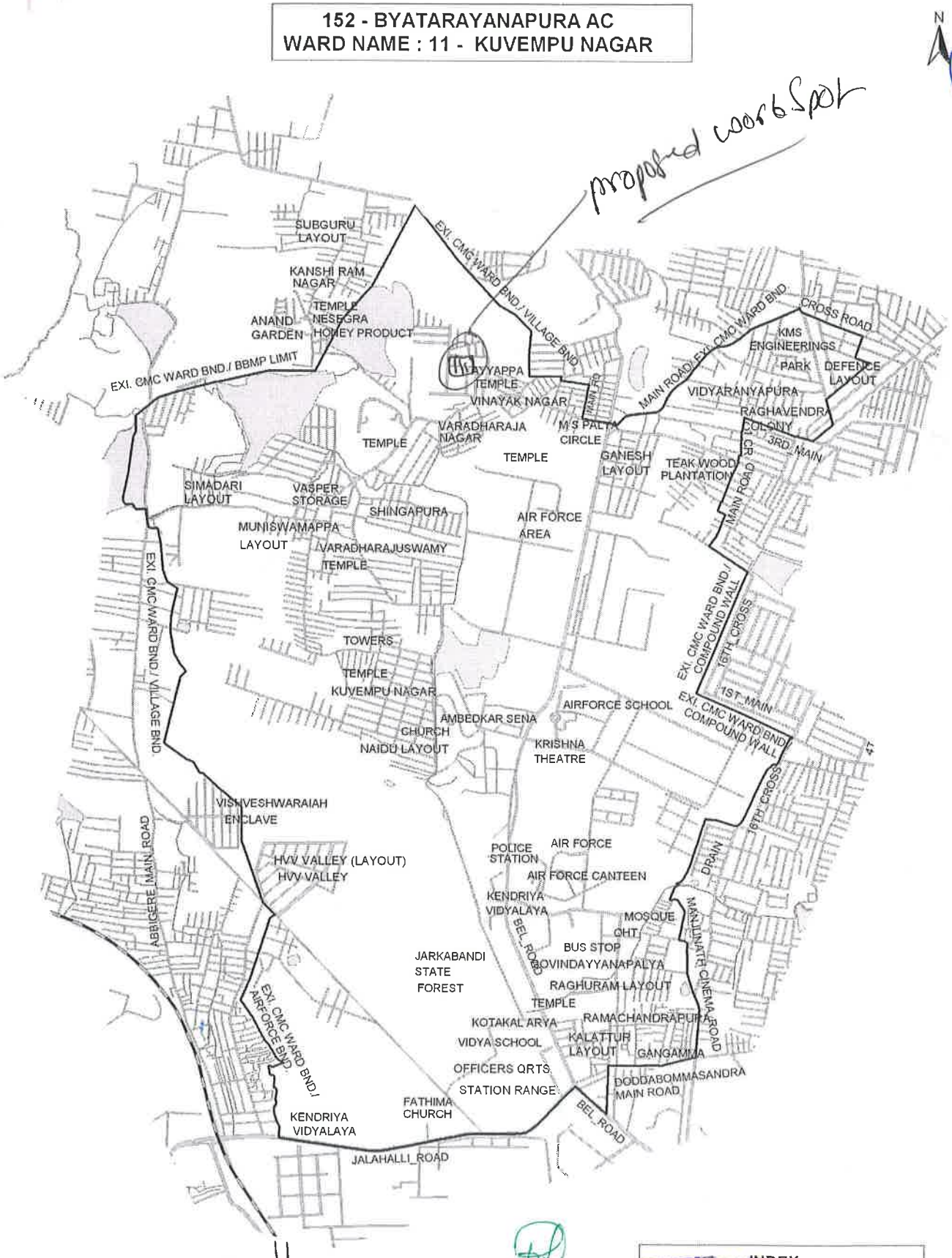
Technical Sanction for Rs 10.00 lakhs
Ten lakhs only
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Registered as EE ( ) No 3.....9.....
Subject to conditions contained in enclosed memo EE ( ) No /91....
Dt Estimate A/S Sanctioned
Add Cost (x2) AS/ 682 13-14
dated 26/12/2013 Rs 10.00 Lakhs

198/13-14
198/13-14
Dt: 23-12-13

Addl Commissioner
(Yelahanka Zone)
BBMP, Bangalore-92

# 152 - BYATARAYANAPURA AC
# WARD NAME : 11 - KUVEMPU NAGAR




Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97